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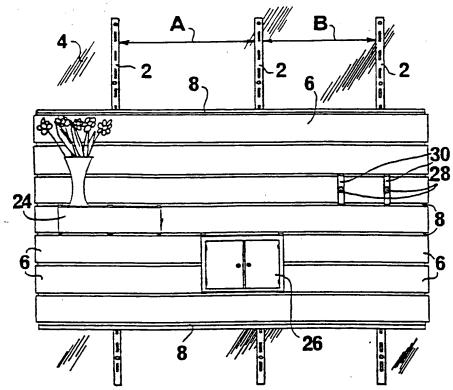
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(54) Title: A METHOD FOR BUILDING UP A CARRYING PANEL BOARDING AND A PROFILE MEMBER FOR USE BY THE METHOD

(57) Abstract

By the building up of a carrying panel boarding, expecially for use as shop furnishings and adapted to be mounted on vertical module members (2) by means of hook portions horizontal relatively narrow panel elements (6) are used which are successively secured to the module members (2) by means of horizontal profile members (8) which at opposite front side edges engage and support side edges of the panel elements (6), said profile members (8) being secured to the module members (2) by means of the hook portions comprising a base portion which is displaceably arranged in a longitudinal holding groove in the rear side of the profile member (8). In a distance from and in front of a vertical base wall portion said profile member (8) furthermore is provided with front edge flange portions in the form of projecting edge flange portions and an inwardly unbroken flange portion (22).



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A Method for Building up a Carrying Panel Boarding and a Profile Member for Use by the Method.

The present invention relates to a method of building up a carrying panel boarding, e.g. for use as shop furnishings, and of the type being adapted to be mounted on vertical module members provided with a plurality of aligned slots by means of hook portions engaging said slots.

By the arrangement of showrooms and salesrooms vertical module members are often used, either in the form of wall mounted members or in the form of floor supported, mevable posts which may be provided with module slot sys-10 tems to more sides. These known module members are sold in many different embodiments and with various moduluses - from one product to another, but efter all the different systems make use of almost uniform hook portions and also substantial uniform hole sizes in the form of oblong, pre-15 ferably rectangular slots in the module members or module posts. In particular, in shops it often happens that the shop furnishings have to be modified or renewed which in a way favours the furnishings system which from the very beginning is used in the rcom in question because one 20 usually wants to maintain at least a wall mounted module member system.

The invention has for its purpose to provide a method for building up a carrying panel boarding which according to the method may be mounted in almost any existing modu25 le member system if this is merely of the above mentioned known type with oblong hole system.

The method according to the invention is characterized in that the panel boarding is built up from horizontal relatively narrow panel elements which are successively secured to said module members by means of horizontal profile members which at opposite front side edges engage and support side edges of the panel elements, said profile



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members having at their rear sides a longitudinal holding groove into which a base portion of said hook portions being displaceably arranged. Hereby is obtained the possibility of building up a carrying panel boarding which in a very easy manner may be adapted to almost any known module member system since the only real adaptation would be the adjustment of the width of the rather narrow horizontal panel elements in accordance with the actual modulus because the horizontal distance between the wall module members is without importance when use is made of horizontal displaceable hook portions by the securing of the horizontal profile members to the vertical module members.

In particular, it is appropriate to build up the panel boarding successively from below whereby it is ren15 dered possible to cover an end wall which would not be possible with panel elements having to be inserted sidewardly into the system.

The invention also relates to a profile member for use by the building up of a carrying panel boarding. The 20 particular configuration of the front edge flange portions of the profile members is very important for the main aspect of the invention, viz. to build up a carrying panel boarding by which the narrow panel elements may consist of quite cheap and weak material, seeing that the carrying function of the panel boarding, e.g. by the suspension of loose furnishings etc., entirely will be performed by the horizontal profile members which are directly secured to the module members.

The invention is described in more detail in the 30 following, reference being made to the accompanying drawing, in which:-

- Fig. 1 in a plane view shows a panel boarding built up in accordance with the method according to the invention,
- Fig. 2 is a side view, partly in section, of a panel boarding according to the invention, and

Fig. 3 shows an end portion of a module post which may be used by the method according to the invention.

In Fig. 1 is shown a panel boarding which is mounted on wall module members 2 which are secured to the wall 4 with different mutual horizontal distance A and B. The panel boarding consists of narrow horizontal panel elements 6 which are secured to the module members 2 by means of profile members 8 which together with the panel elements 6 form a quite tight panel boarding which mounted on loose floor posts (Fig. 3) by way of example may be used for room partitioning.

As shown in Fig. 2 the module member 2 is secured to the wall 4 and profile members 8 are mounted on the mo-15 dule member 2 by means of hook portions 10, a base portion 12 of which being displaceably arranged in a holding groove 15 in the rear side of the profile member 8. The hook portions 10 engage as known per se in oblong slots 14 in the front side of the module member 2. Between the profi-20 le members 8 rather narrow panel elements 6 are fastened which at opposite side edges are provided with a recess 16 into which an outer portion 18 of an end flange 20 engages, which end flange 20 furthermore has an inward projection 22 which supports outer side edges of the panel 25 elements 6. Therefore, these may consist of cheap fibre board material or e.g. of gypsum board since the panel elements 6 themselves need not have carrying function at all.

Loose furnishings such as shelves 24 and cupboards
30 26 (Fig. 1) and hanger bars 28 etc. may be suspended on
the panel boarding by means of particular suspension mountings 30 which by means of an upper crank 32 engage behind
the edge flange portion 22 of the profile member 8 (Fig.
2), while a base portion 34 of the suspension mounting
35 30 projects across the panel element 6, i.e. in such a



way that the base portion of the suspension mounting is supported by the edge flanges 22 of two or more adjacent profile members 8, respectively.

The panel boarding shown is well suited to be mounted on existing module members 2 since the panel boarding may constitute a tight covering with consealed cavities 36 (Fig. 2) in which electrical conductors etc. may be arranged.

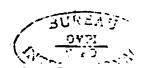
By the building up of the panel boarding is started

10 from below and the lowermost panel element perhaps may be
adapted to secure a particular skirting board. Then the
lowermost panel element 6 is inserted with its lower recess
16 on the edge flange portion 18 of the profile member 8
whereafter the next profile member 8 or rather the lower

15 edge flange portion 18 thereof is inserted in the upper

edge recess 16 of the panel element 6 at the same time as the profile member 8 by means of the hook portions 10 are connected to the module members 2 by pressing down of the profile member 8 etc.

The upper panel element 6 of the panel boarding may
- as shown in Fig. 2 - be secured to the module member 2
by means of particular mountings 38 and similar, but inverted mountings 40 may be used at the bottom of the panel boarding. As shown in Fig. 3 the module members may
25 consist of loose floor supported posts 42 with slot systems to more sides.



Claims:

- 1. A method for building up a carrying panel boarding, e.g. for use as shop furnishings, and of the type being adapted to mount on vertical module members (2) provided with a plurality of aligned slots by means of hook portions (10) engaging said slots, c h a r a c t e r i z e d in that the panel boarding is built up from horizontal, relatively narrow panel elements (6) which are succesively secured to said module members (2) by means of horizontal profile members (8) which at opposite front side edges engage and support side edges of the panel elements (6), said profile members (8) having at their rear sides a longitudinal holding groove (15) into which a base portion (12) of said hook portions (10) being displaceably arranged.
- 2. A method according to claim 1, c h a r a c t e r i z e d in that a lowermost profile member (8) having at least one longitudinal flange portion (20) is secured to the module members (2) by means of said hook portions (10), whereafter a lower side edge of a narrow horizontal panel element (6) is placed about the flange portion (20), then the panel element (6) is secured to the module members (2) by means of another profile member (8) having both a lower and an upper longitudinal flange portion (20) engaging said side edge portions of said lowermost panel element (6) and the following panel element (6), respectively, and then the latter is secured to the module members (2) by means of a third profile member (8) etc.
- 3. A profile member for use by the method according to claims 1 and 2 and with a rear side profiling compris30 ing said longitudinal holding groove (15) for said displaceable base portions of said hook portions (10), c h a r a c t e r i z e d in that it is provided with



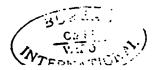
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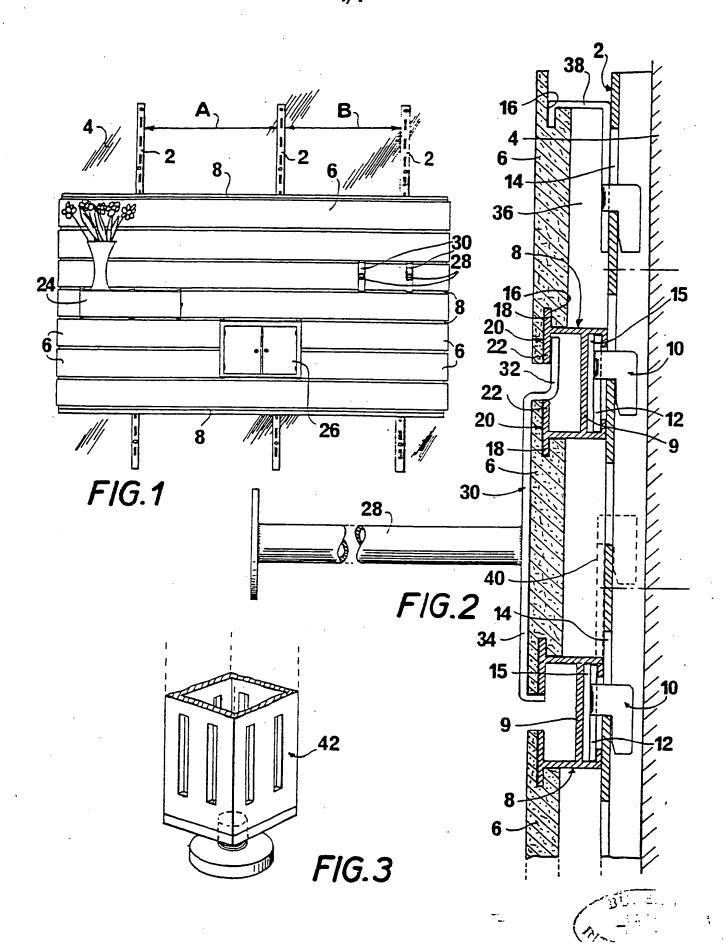
front side flange portions (20) at the front side opposite said holding groove (15) and in a distance from and in front of a preferably vertical base wall portion (9), said flange portions (20) extending substantially parallel to the base wall portion (9) and having a projecting edge flange portion (18) and an inwardly unbroken flange portion (22) being adapted to support outer edge portions of the panel elements (6) and to fasten external mountings (30) by the suspension of loose furnishings etc.

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ABSTRACT:

By the building up of a carrying panel boarding, especially for use as shop furnishings and adapted to be mounted on vertical module members (2) by means of hook portions (10) horizontal relatively narrow panel elements (6) are used which are successively secured to the module members (2) by means of horizontal profile members (8) which at opposite front side edges engage and support side edges of the panel elements (6), said profile members (8) being secured to the module members (2) by means of the hook portions (10) comprising a base portion (12) which is displaceably arranged in a longitudinal holding groove (15) in the rear side of the profile member (8). In a distance from and in front of a vertical base wall portion (9) said profile member (8) furthermore is provided with front edge flange portions (20) in the form of projecting edge flange portions (20) and an inwardly unbroken flange portion (22). Hereby is obtained the possibility of building up a carrying panel boarding which in an easy manner may be adapted to any known module member system. The panel elements may consist of quite cheap and weak material because the carrying function of the panel boarding is entirely performed by the horizontal profile members which are directly secured to the vertical module members.





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I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply indicate all 1						
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II. FIELDS SEARCHED						
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	IPC 3 A 47 B 57/08, 10, 32, 34, 96/14, 20; A 47 F 5/00, 08-14, 11/00-02; E 04 F 13/10-18 US C1 52: 486, 487; 108: 107, 108, 110; 211: 86, 87/.					
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III. DOC		DERED TO BE RELEVANT !*				
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